

Abstract of the Disclosure

5 With the new plasma display panel technology new kinds of artefacts can occur in video pictures. These artefacts are commonly described as dynamic false contour effect, since they correspond to disturbances of grey levels and colours in the form of an apparition of coloured edges in the picture when the observation point on the PDP screen moves. According to the invention such an artefact is compensated by analyzing the motion in the pictures assigning to each block of a picture a corresponding motion vector and performing a re-coding step in which a sub-field code word entry of a current pixel are calculated. For this purpose the motion vector is defined to point from a pixel in a previous picture to a pixel in the current picture. The sub-field code word entries for a current pixel (P8) are determined by dragging sub-field entries of the pixels lying on the motion vector trajectory. In this way for each pixel there is an exact calculation of the sub-field code word of a pixel also for complex moving trajectories like zoom and rotation.

25 (Fig. 15)